

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F21S8/00 F21V23/06

10/536484

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F21S H01R F21V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | US 6 184 628 B1 (RUTHENBERG DOUGLAS)<br>6 February 2001 (2001-02-06)<br>column 3, line 22 - line 58<br>figure 1                            | 1                     |
| Y          | -----  | 2-4                   |
| Y          | US 5 386 355 A (ACKS ROBERT S)<br>31 January 1995 (1995-01-31)<br>column 6, line 46 - line 50<br>figures 4,5                               | 2-4                   |
| A          | -----  | 1                     |
| Y          | EP 1 083 384 A (CERTIKIN INTERNAT LTD)<br>14 March 2001 (2001-03-14)<br>paragraphs [0014] - [0016]<br>figures 1B,1D,2A,2D<br>-----<br>-/-- | 1,4-6                 |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

9 March 2004

Date of mailing of the international search report

21.05.2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| Y          | US 4 996 635 A (OLSSON MARK S ET AL)<br>26 February 1991 (1991-02-26)<br>column 2, line 4 - line 11<br>column 2, line 41 - line 49<br>figure 1       | 1,4-6                 |
| A          | -----<br>US 5 800 041 A (POGGI BRYAN)<br>1 September 1998 (1998-09-01)<br>column 3, line 46 - column 4, line 51<br>figures 1,2                       | 1,2,4-6               |
| A          | -----<br>DE 297 15 580 U (MELA INDUSTRIEPRODUKTE<br>GMBH) 1 October 1998 (1998-10-01)<br>page 2, line 30 - page 3, line 24<br>figures 1,3,5<br>----- | 1,4-6                 |

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/05305

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s)  | Publication<br>date  |
|---|----|---------------------|---|--|
| US 6184628                                | B1 | 06-02-2001          | AU 1659601 A<br>CA 2392594 A1<br>EP 1258174 A1<br>WO 0141514 A1   | 12-06-2001<br>07-06-2001<br>20-11-2002<br>07-06-2001   |
| US 5386355                                | A  | 31-01-1995          | US 5213410 A<br>US 5105346 A<br>GB 2247943 A ,B   | 25-05-1993<br>14-04-1992<br>18-03-1992   |
| EP 1083384                                | A  | 14-03-2001          | EP 1083384 A1   | 14-03-2001   |
| US 4996635                                | A  | 26-02-1991          | NONE  |  |
| US 5800041                                | A  | 01-09-1998          | AT 187235 T<br>AU 2531795 A<br>DE 69513654 D1<br>DE 69513654 T2<br>EP 0760921 A1<br>ES 2143631 T3<br>WO 9532388 A1<br>GB 2302400 A ,B | 15-12-1999<br>18-12-1995<br>05-01-2000<br>08-05-2003<br>12-03-1997<br>16-05-2000<br>30-11-1995<br>15-01-1997 |
| DE 29715580                               | U  | 01-10-1998          | DE 29715580 U1<br>DE 19833018 A1  | 01-10-1998<br>04-03-1999   |

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1, 2-6

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2-6

Underwater pool light sealed connector

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2. claims: 1, 7-15, 16-20, 21-23 (when claims 7, 16, 17, 19, 21 are not dependent on claims 2 to 6)

Underwater pool light housing

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3. claims: 1, 24-27 (when claim 24 is not dependent on claims 2 to 23)

Underwater pool light comprising lens and reflector portions

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